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Assistant Commissioner for Patents,
Washington, D.C. 20231,

GROUP 1800 PATENT

on

Sept 17, 1996

Attorney Docket No. 16994-003122

TOWNSEND and TOWNSEND and CREW LLP

By

Melody Thompson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

H. DEBOER et al.

Application No.: 08/154,019

Filed: November 16, 1993

For: PRODUCTION OF RECOMBINATION)
POLYPEPTIDES BY BOVINE
SPECIES AND TRANSGENIC
METHODS

Examiner: D. Crouch

Art Unit: 1804

AMENDMENT

18/c
S.G.J.
9/19/96
(NE)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants submit this Amendment in response to the
Office Action dated April 1, 1996. Applicants request
reconsideration in light of the amendments and remarks that
follow.

IN THE CLAIMS:

123. (Twice amended) A method of producing [a] transgenic
[bovine species] cattle, the method comprising:
obtaining an ovum from [bovine] cattle ovaries;
maturing and fertilizing the ovum in vitro to form a
zygote;
introducing a transgene into the zygote in vitro;
propagating the zygote to form the embryo in vitro; and
transplanting the embryo into a recipient female
[bovine] cattle parent, which gestates the embryo to give birth
to a transgenic [bovine] offspring.